

**ABSTRACT OF THE DISCLOSURE**

A rectifying charge storage device, consisting of diode and capacitor components which share common elements, includes a bi-stable state element responsive to an input signal for opening or closing a circuit, as by changing to one of two definable stable states. The bi-stable state element may comprise the diode or capacitor components, or both, of the rectifying charge storage device, and may be designed for irreversible or reversible operation.